TUCSON, ARIZONA'S BUSTLING CITY

Chamber of Commerce Splendid Active Force.

Abundance of Water and Made to Yield Fine Crops -Churches, Schools, and Fine Homes.

Tucson, Ariz., June 23 .- This has been one of the most interesting visits the present writer has ever made to any unknown unappreciated and certainly misunderstood by the big army of Americans who crave a castle of their own. When Arizona was begging for statehood regardless of New Mexico's claims a distinguished senator who never trod the soil west of the two voices in this august body," and somehow this is about as this wonderful state which has nearly one-fourth. now over 250,000 inhabitants, 113,000 square miles and min- the big pastures of this new foothills. erals, soil and climate all its state are helping to feed the wells were drilled 200 feet apart, suggestion of a western mining

Arizona lies in America's big semiarid plain, to be sure, but it is far from being a domain of here other than barren sand barren rocks and sand, sun plains, rocky hills and cactus beaten sterile acres with a few fast decaying mining camps and Since this section lies in Amer- pumps and electric dynamos to over 300 students, which speaks here and there an unkept ranch ica's great semi-arid domain, operate them were installed and volumes for the "baby state." as we sometimes hear. When rains falling mostly in July, a concrete conduit connected There are seven public parks, a leaving El Paso the other day a agricultuer must depend upon with each well. This conduit was Carnegie library, six public friend said: "Why, don't try to proper irrigation, but we should set nine feet under the first school buildings, two Indian stop in Arizona; it will be so hot bear in mind that when the water bearing strata so that the schools, four hospitals, a Y. M. you can't stand it and there is soil is capable of irrigation and pressure from it would draw a C. A. and thirteen churches. nothing to engage your pen," the cost of it being compara- considerable portion of the year. The United States magnetic written of I was determined to grower a veritable paradise.

cities.

Ideal, Busy Little City.

The rough mining camp with its saloons, gambling hells and undesirable inhabitants had been metamorphosed into an ideal little busy metropolis as pretty as it is sober and quiet. Surrounded by its mountains, under its sublime blue sky and made verdant and green by trees, flowers and gardens Tucson is anything but a dilapidated

many millions of acres are fer- the results that follow proper be purchased in Tucson. of the Nile.

drous nation the provincialism arm in 1898, when he planted it of many great minds is no- upon his residence grounds. Towhere better shown than in the day it is a big shade tree proextension of its domain, for did ducing black walnuts in plenty. Mexico, etc., was bitterly op- company has taken 12,000 acres irrigation, partly developed, and country will some day find itself vae and kills it by suffocation.

of the house?

IRRIGATION IS A FACTOR mineral supremacy, its greatest is the story of how it was done: To put it briefly, agriculture Desert Land is Reclaimed by an cultural sections rivaling the citizens, a banker and at the phases, are giving Tucson a very the delta of the pyramids.

Mineral Wealth of Arizona.

Missouri river said: "I am not in copper, zinc, lead, gold and gan to clear and develop it. in favor of giving an arid sand silver are beyond present comdesert with a few mining camps putation. Of copper the United States produces one-half of the world's supply, while Arizona much as many people know of gives out of its opened mines river at a point where its chan-buildings would do justice to a

In the production of livestock world, while its forests in many the proper distance having first camp town. The state universections "upon a thousand hills" been determined by a most sity has exquisite grounds, tell us that there is something thorough test of the quantity of beautifully planted in trees, wastes.

which one hears so much was I find another new thing under summer; there are no snow and the southwest. not to be seen, but the bright the versatile American sun—an heavy frost to make the land As this is a great stock marnew and growing city of Tucson English walnut growing section lie fallow and keep the farmer ket Armour & Co., Swift & Co., was in evidence the moment the of marvelous possibilities, covprisoner in his house. Here the and Libby, McNeil & Co., have Doctor Ravenel of the University Pacific express pulled into the ering the great and fertile valdepot. However, I had to witness the going of my predilec- son is the center. An experi- in pasture in February and \$800,000 and do a fine business. tions and it was hard for me to menting mind, C. R. Biederman, March, garden truck is raised in The banks have deposits of over many insects are carriers of realize that I was going about, discovered this industry re- January and the fields are grow- \$4,000,000, with combined re- disease," said Doctor M. P. Ravamid well paved avenues of cently by finding it an easy task ing barley to be cut in April sources of some \$8,000,000, enel, professor of bacteriology beautiful residences and fine to graft the English walnut on and followed with corn and other which gives this little city fi- and preventive medicine at the public buildings as well as busi- the native black walnut as is summer crops. The farmer's nancial standing of no mean University of Missouri. ness like blocks, one of our most done in California and has thus wife can have her flower garden value. beautiful and fascinating little given this section another in- in continuous bloom and pluck dustry of vast possibilities.

> perfected commercially by Gen. tions. The farmer at Tucson monthly over \$200,000. The insects act like a syringe, me-Arizona black walnuts on 160 about a possible drought or Tucson Citizen and the Arizona sick persons and injecting it into acres of the Scotch farms, and whether he will get water in Daily Star, are splendid journals other persons sick or well. This grafted on them next spring by that water is ready for his use are four mills, two big ice which heavy losses are often Mr. Biederman, who will get the when he wants it. scion wood from imported California trees.

mining camp; in fact, a more famous Scotch farms will be the lighted and has running water and saddle factory, large brick "In man the most important lic health," said Doctor Ravenel. beautiful and industrious city of forerunner of another great in- and telephone. Schools are con- yards and a foundry in Tucson. disease conveyed by insects in 20,000 souls would be difficult to dustry throughout the Santa veniently located. The children Splendid Chamber of Commerce. Missouri is malarial fever. The Cruz valley no one doubts. Of can start in the kindergarten The city boasts of a splendid germ, which belongs to the ani-Arizona has much waste land the black walnut, while it is not and go through the state univer- Chamber of Commerce which mal kingdom, is in the blood. and its sun burnt sand plains and such a commercial asset as the sity at Tucson without leaving eaves nothing undone for Tuc- The mosquito in biting draws

one of the gullies near the river In the making of this won- and was about as large as his

not some statesman claim that I want to call the reader's atbatted, while the accession from nent or anywhere—the project handsome profit.

posed by senators and members of mesquite covered wilderness, other small tracts in both the cleared and developed water for Santa Cruz ad Rillito valleys, Had these men succeeded in the tract, and made it over into and there are poultry and fruit closing the door to this part of alfalfa, corn and grain fields, ranches upon the mesa, or highthe American acreage the repub- garden patches, dairies, walnut er land, which are sources of lic could not boast of its precious groves and cotton fields. Here splendid income to their owners.

fruit belts and its irrigated agri- One of Tucson's enterprising and horticulture in their various low lands of the Netherlands and time the president of the Cham-rich back country which a few ber of Commerce, induced one of years ago was unproductive and Of course, this old section in the government engineers sta-called by the ugly name "de-Indian lore and territorial his- tioned in Arizona to make an in- sert." It is a safe assertion that tory is practically a grand new vestigation of the underflow of to find "desert" at Tucson in a By Randolph Churchill, in The country as only a small portion the Santa Cruz river which few years the traveler will need of Arizona is finished; the ge- runs past Tucson. The Santa to travel quite a distance benius of the engineer has brought Cruz river flows several feet un- youd the city. fruition and splendor to many der the sandy surface except This city is situated 300 miles little zones of agricultural fer- during flood periods. This en- west of El Paso, Tex., and 500 country, a vast domain almost tility by the use of dams, wells gineer's report was so encourag- miles east of Los Angeles, upon and pumps sufficient to demon-ing that it was immediately the main line of the great Southstrate the great possibilities of submitted to Chicago capitalists ern Pacific and also is the the "baby state" which joined who had developed irrigation western terminal of the new its sisters in the race for high- projects in Texas, Colorado and El Paso and Southwestern railest honors less than four years Oregon, who in Tucson had their way; it enjoys an altitude of vestigations, following which rich Santa Cruz valley with The mineral wealth of Arizona they purchased the land and be-timbered mountain all about it

How Water is Obtained.

The water was secured by dig-

Farming in this section is not

developed project under which ities.

own engineers make further in- 2,400 feet and is nestled in the and is probably the largest city in the state.

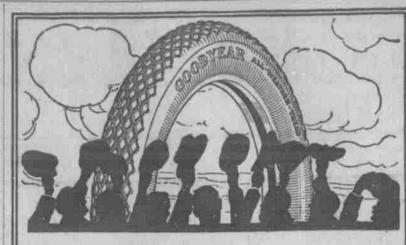
Citys' Streets Well Paved. ging a ditch 20 feet deep across The streets are well paved and the channel of the Santa Cruz the business blocks and public nel was confined to the width of much larger city, while many of a mile between mountains and the residences are beautiful in-Nineteen 16-inch deed, having outgrown even a water available and the water flowers and botanical gardens bearing area affected by pump- with fine buildings costing \$400,ing. High power irrigation 000, with a splendid faculty and

and as this was one of the four tively cheap as in Arizona that The water so secured is carried observatory and the Carnegie states in the great republic this condition affords the far- in concrete ditches to the land to desert botanical laboratory are which I have not traversed and mer, the truckman and the fruit be irrigated and it is carried and fine institutions. There are used in winter as well as sum- four miles of street railways, break my journey to the Pacific Some time ago I told the mer, for in this climate farming eight hotels, four banks, while readers of The Tribune from Alis a 12 months' industry. There several of the many retail stores den zones. The little dilapidated mining bany, Ga., about their wonder- are no idle months when the are big houses, Albert Steinfeld camp made famous in story and ful pecan industry and now stock must be fed from the hay & Co., being one of the largest to M. D. Wilson, Lexington, Mo. placed over the bed of the patwild west so-called literature of away out here in the southwest and grain raised during the wholesale and retail stores in

roses as well as chrysanthe-shops located in Tucson employ cally as filth carriers," con-This discovery is now being mums for her Christmas decora- 250 men and pay out for wages tinued Doctor Ravenel. "Other Manning, who is planting 1,000 does not get gray worrying daily newspapers of the city, the chanically drawing blood from will have the English walnut time to make his crop. He knows of commanding influence. There is also true of animals among plants, a gas and electric light due to bites of insects. Texas appeared where the lands have pioneering. On the project of telephone systems, many min- farmers of the South and the Forerunner of Great Industry. the Tucson Farms company eving and pumping machine cattle trade of at least \$60,000,- do so much more for commercial That the walnut grove at the ery farmer's home is electric houses, machine shops, carriage 000 per year is carried by a tick. purposes than they will for pub-

land at Tucson, but it is the only ern city of wondrous opportun- fection takes place.

the homeseeker may purchase It gets hot out here, but the at- quito should be prevented. This land on easy terms in crop and mosphere is so clear and dry and insect always lays its eggs in the states should not go west tention to one of the most reof the Allegheneys, and the markable irrigation projects I from Bedford, has already taken enjoys the place, and if its days and produce the well-known Louisiana purchase was com- have seen either on this conti- off his land a grop yielding a of surshine are almost 365 in the wigglers. Where the water year, and if its summers are hot, cannot be drained, the surface of Mexico of this now famous and of the Tucson Farms company Besides this project there is yet its nights are cool and its such pools should be covered mineral producing section, in- which surrounds the city of the Canoa ranch with several climate sublime. With perfect- with crude oil, which fills the cluding Arizona, California, New Tucson. In just three years this thousand acres susceptible to ed systems of irrigation this breathing apparatus of the lar-



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rocky mountains will never in- English variety, yet it is val- the parental roof. In the city son and Arizona which is in its the young parasites into its vite habitation except for the uable and abounds in Arizona. there is every denomination of power to accomplish. The presi- stomach where they undergo a precious mineral deposits in its A magnificent native walnut church represented. And when dent is Gen. L. H. Manning, one stage of development which rehilly fastnesses, but notwith- tree is pointed to by Senator supplies are needed, anything of the state's ablest business quires about twelve days. Durstanding all this, much of its Mark Smith as an example of from a pin to a reaper, they can men, and the secretary is John ing this time they multiply tile when irrigated as the delta irrigation. This tree came from Acres Susceptible to Irrigation. years ago from Ohio and, true salivary gland of the mosquito. F. Myers, who came here three enormously and finally reach the This project I have mentioned to his native state, he is doing Then the bite injects the germ does not embrace all the farming things worth while in this west- into the person bitten, and in-

"The breeding of the mos-

"In rooms where sick persons are kept all windows should be For further information apply screened, or mosquito netting ient. The mosquito does not naturally harbor the disease, MALARIA FEVER but must get the germs from a sick person.

> "Those persons who are obliged to go into mosquito infected districts can protect themselves by the use of oils, such as the oil citronella and oil of penny-royal, which are repulsive to the mosquitos. It is also well to take quinine, if the district is known to be infected with malaria. The average dose should be five grains each day, but a physician should be consulted as to the amount to

Doctor Ravenel said malaria was very common a few years ago in Southeastern Missouri, but that it had practically dis-

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